

Short CV

Name	Maria Katsikini
Personal web	users.auth.gr/katsiki
Position	Associate Professor, School of Physics, AUTH
Studies	<ul style="list-style-type: none"> • PhD in Physics, School of Physics, AUTH in collaboration with the Hahn Meitner Institut Berlin (2000) • BSc in Physics, School of Physics, AUTH (1995)
Scientific Expertise	<ul style="list-style-type: none"> • Associate Professor, School of Physics, AUTH, 2016-today • Assistant Professor, School of Physics, AUTH, 2010-2016 • Lecturer, School of Physics, AUTH, 2004-2010 • Post Doctoral Fellow (Greek Scholarship Foundation-IKY), School of Physics, AUTH (11/2001-12/2002).
Research Activities	<ul style="list-style-type: none"> • 2 book chapters (Springer) • 84 publications in international peer-reviewed journals (938 citations, h-index=15) • 22 publications in conference proceedings of international conferences • Project leader of 12 research programs (1 Post Doctoral research program funded by IKY, 10 projects in Synchrotron Radiation Facilities, 1 IKYDA project). • Participation in 12 research programs • Editor of Summer School Proceedings (1) • Member of the Organizing Committee of 4 conferences, 1 summer school, 2 workshops • Referee in 22 international scientific journals, of proposals submitted to Synchrotron Radiation Facilities and Italian and Swiss research projects • Member of the advisory committee of 4 PhD Theses (one is in progress - supervisor in 1). Supervisor of 21 MSc and BSc Theses • 15 invited talks • 25 and 18 participations in international and local conferences, respectively • L'Oreal – UNESCO award for “Women in Science” (greek program, 2007), 2 best-poster awards (in 1 local and 1 international conference), 1st award “Greece Innovates!” (responsible Assoc. Prof. of Chem. Eng. M. Mitrakas) <p>Research Interests: Study of materials using Synchrotron Radiation mainly with X-ray absorption (XAFS), Fluorescence (XRF) and Photoelectron (XPS) spectroscopies, Small Angle X-ray scattering (SAXS) and Raman spectroscopy. Types of materials: semiconductors, glass and glass – ceramics, solid biological samples, oxides for toxic element removal, palaeontological findings, hard and soft tissues, biomolecules, biomineralization, nano-magnetic materials.</p> <p style="text-align: right;">Scopus ID: 7004175625, ORCID ID: 0000-0002-8059-5539</p>

Five most important publications

1. "Experimental determination of the N-p-partial density of states in the conduction band of GaN: Determination of the polytype fractions in mixed phase samples", M. Katsikini, E. C. Paloura, T. D. Moustakas, *Journal of Applied Physics* **83**, 1437 (1998)
2. "Raman study of Mg, Si, O, and N implanted GaN", M. Katsikini, K. Papagelis, E. C. Paloura, S. Ves, *Journal of Applied Physics* **94**, 4389 (2003)
3. "Tetravalent manganese ferrihydrite: A novel nanoadsorbent equally selective for As(III) and As(V) removal from drinking water", S. Tresintsi, K. Simeonidis, S. Estradé, C. Martinez-Boubeta, G. Vourlias, F. Pinakidou, M. Katsikini, E. C. Paloura, G. Stavropoulos, M. Mitrakas, *Environmental Science and Technology*, **47**, 9699 (2013).
4. "Study of annealing induced devitrification of stabilized industrial waste glasses by means of micro-X-ray fluorescence mapping and absorption fine structure spectroscopy", F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Ph. Komninou, Th. Karakostas, A. Erko, *Journal of Non-Crystalline Solids* **351**, 2474 (2005).
5. "Fe distribution and speciation in human nails", M. Katsikini, F. Pinakidou, E. Mavromati, E. C. Paloura, D. Gioulekas, D. Grolimund, *Nuclear Instruments and Methods B* **268**, 420 (2010).